



# Morbidity and Mortality

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

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## EPIDEMIOLOGIC NOTES AND REPORTS

### HUMAN BUBONIC PLAGUE - New Mexico

On July 30, 1971, a 26-year-old Navajo Indian woman from McKinley County, New Mexico, became ill with chills and fever. Over the next 12 hours, she experienced vomiting, diarrhea, abdominal pain, lethargy, and confusion. She was hospitalized in Ft. Defiance, Arizona, that evening.

On admission, she had a temperature of 105° F., delirium, and a mildly tender abdomen. Her white blood cell count was 14,000. Serum electrolytes, chest roentgenogram, and urinalysis were within normal limits; a lumbar puncture was also normal. The initial impression was meningitis or septicemia secondary to cholecystitis, and the patient was treated with intravenous ampicillin, fluids, aspirin, and bed rest. On July 31, she was noted to have tender swelling in the right axilla. Plague was suspected, and treatment with streptomycin (1 gram every 6 hours) was started. During the next 48 hours, her fever abated and her sensorium cleared. The patient's condition has continued to improve.

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On August 2, gram-negative bipolar staining rods were found in cultures of blood specimens taken on admission. The next day, *Yersinia pestis* was presumptively identified by the fluorescent antibody test at the PHS Indian Medical Center Laboratory, Gallup, New Mexico. This identification was subsequently confirmed by phage testing at the Zoonoses Section, Ft. Collins, Colorado.

On July 26, the patient had cleaned, roasted and eaten two prairie dogs. She noticed several fleas on the animals; con-

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TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	32nd WEEK ENDED		MEDIAN 1966 - 1970	CUMULATIVE, FIRST 32 WEEKS		
	August 14, 1971	August 15, 1970		1971	1970	MEDIAN 1966 - 1970
Aseptic meningitis	218	257	102	2,195	1,930	1,281
Brucellosis	2	3	3	95	126	138
Diphtheria	2	—	1	96	192	101
Encephalitis, primary:						
Arthropod-borne & unspecified	35	40	40	815	762	762
Encephalitis, post-infectious	8	5	9	256	292	335
Hepatitis, serum	140	159	93	5,190	4,392	2,591
Hepatitis, infectious	1,073	1,018	843	37,140	34,224	26,822
Malaria	45	65	30	2,031	2,095	1,298
Measles (rubeola)	311	308	222	67,865	38,829	38,829
Meningococcal infections, total	21	33	33	1,655	1,742	1,869
Civilian	16	30	27	1,466	1,565	1,694
Military	5	3	2	189	177	177
Mumps	587	718	—	97,279	73,295	—
Poliomyelitis, total	1	—	1	9	17	21
Paralytic	1	—	1	7	17	18
Rubella (German measles)	241	251	302	37,530	48,385	42,505
Tetanus	2	2	4	63	71	89
Tularemia	4	1	1	103	80	102
Typhoid fever	5	8	9	185	168	195
Typhus, tick-borne (Rky. Mt. spotted fever)	27	23	19	259	240	187
Rabies in animals	62	64	65	2,665	1,952	2,273

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Psittacosis: N.Y.C.-2	23
Botulism:	6	Rabies in Man:	1
Leprosy: Md.-1, Minn.-1, Tex.-2	85	Rubella congenital syndrome:	35
Leptospirosis: R.I.-3	24	Trichinosis: N.Y.Ups.-1, Pa.-1, R.I.-1, Wis.-1	44
Plague:	1	Typhus, murine:	12

## PLAGUE — Continued from front page)

flicting reports were received from her concerning the possibility of flea bites. The meal was shared with four other adults including her mother; they have remained well. The patient was apparently exposed at her mother's residence in the Chuska Mountains (7,800 feet elevation), 8 miles west of Mexican Springs, New Mexico. Site investigation revealed an abundance of sick and dead prairie dogs, and fleas were numerous in prairie dog burrows. Carcasses and fleas were collected for testing at the Zoonoses Section. A team from the Indian Health Service, Navajo Area, has warned residents in the area to avoid contact with rodents and is treating prairie dog burrows in the affected area and two apparently unaffected adjacent prairie dog colonies. Treatment will con-

sist of the use of 5 percent carbaryl dust insufflated into prairie dog burrows.

(Reported by Robert Fortuine, M.D., Service Unit Director, Saul Ahola, M.D., PHS Indian Hospital, Fort Defiance, Arizona; Theodore W. Thoburn, M.D., Chief, Community Health Service; Bruce Storrs, M.D., Director, Medical Services Division, Nancy McCaig, M.D., Chief, Preventive Medicine Section, Bryan Miller, Chief, General Sanitation Section, Neil Weber, Supervisor Vector Control Unit, Environmental Improvement Agency, New Mexico Health and Social Services Department; the Zoonoses Section, Ecological Investigations Program, Ft. Collins, Colorado; and an EIS Officer.)

## HUMAN EASTERN EQUINE ENCEPHALITIS — Florida

On July 30, 1971, a 44-year-old woman was admitted to a hospital in Madison County, Florida, with fever, meningismus, depressed sensorium, left hemiparesis, and convulsions. Cerebrospinal fluid examination revealed 18 lymphocytes, protein of 130 mg. percent, and glucose of 104 mg. percent. (Blood sugar was 162 mg. percent). No bacteria were found by microscopy or by culture. Two subsequent lumbar punctures showed normal pressure and persistent pleocytosis and elevated protein. Complement fixation testing of the patient's serum revealed a rise in titer to EEE from 1:8 to 1:256. Hemagglutination testing showed an EEE titer rise from 1:640 to 1:2560. Tests for St. Louis encephalitis, Venezuelan equine encephalitis, California encephalitis, herpes simplex, mumps, and leptospirosis yielded no evidence of recent infection. As of August 17, the patient was in a coma with mechanically assisted respiration.

The patient lives with her five children in an isolated area of Madison County. The children have remained well.

Due to the woman's condition on admission, she was unable to give a history of mosquito bites. However, her house is near a marsh, and the windows are without screens.

(Reported by William J. Bibb, M.D., private physician, Madison, Florida; Luther A. Brendle, M.D., Health Officer, Madison County Health Department; Miss Elsie Buff, Chief, Virus Unit, Bureau of Laboratories, Ralph Hogan, M.D., Administrator, Epidemiology Section, Florida Division of Health; and an EIS Officer.)

## Editorial Note

The last documented human EEE case in Madison County was approximately 5 years ago. Two cases each were reported in 1969 and 1970 from elsewhere in Florida. To date in 1971, 10 equine EEE cases and two cases in a sentinel chicken flock have been recorded. EEE virus has been isolated from six mosquito species in Florida, which are all present in unusually high numbers.

## MEASLES — Arkansas

Between Feb. 1 and July 17, 1971, an outbreak of measles involving 370 cases occurred in Little Rock (Pulaski County), Arkansas (Figure 1). The epidemic reached a peak in the week ending April 10; a spontaneous decline was sub-

sequently noted, but cases continued to be reported in July.

Of 319 patients on whom information was available, 271 (85 percent) lived in six lower socio-economic areas of Pulaski County. A total of 239 cases (75 percent) occurred in children under 5 years of age (Table 1); the median age was 2 years. Information concerning race was available for 265 patients. A total of 246 (89 percent) of these occurred in black children; blacks comprise 18.9 percent of the population of

Table 1  
Measles Cases, By Week of Onset  
Pulaski County, Arkansas — Jan. 30-July 17, 1971\*

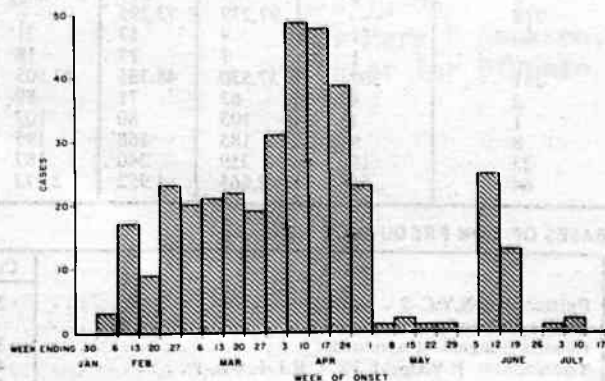


Table 1  
Age Distribution of Measles Cases  
Pulaski County, Arkansas — Feb. 1-July 17, 1971

Age Group (Years)	Number of Cases	Percent
0-4	239	74.9
5-9	71	22.3
10-14	8	2.5
≥ 15	1	0.3
Total	319	100.0

Little Rock (1970 census). There were no known cases involving previously vaccinated children.

A measles vaccination campaign was held in Little Rock on May 7. Vaccine was administered at special clinics held in the six lower socio-economic areas of the county.

(Reported by A.S. Fitzhugh, M.D., Director, Arkansas Children's Hospital Clinic, Little Rock; Mason G. Lawson, M.D., Health Officer of the City of Little Rock; Gordon P. Oates, M.D., Health Officer, Pulaski County Health Department; Bruce D. Johnson, Public Health Advisor, Bryant S. Swindoll, M.D., Acting Director, Division of Communicable Diseases, Arkansas State Department of Health.)

#### Editorial Note

As in most recent measles outbreaks reported to CDC,

most cases in this epidemic occurred in unvaccinated children. The 1970 United States Immunization Survey showed that levels of measles vaccination have been declining since mid-1969 (MMWR, Vol. 20, No. 13); this decline is the principal cause for the resurgence of measles in the United States. In 1969, 61.4 percent of all children aged 1-4 years had received measles vaccine, but by September 1970, that level had fallen to 57.2 percent. Furthermore, only 41.1 percent of children aged 1-4 in urban poverty areas had received the vaccine in 1970. These data help explain the high incidence of cases in the low-income areas of Little Rock. The disproportionately large number of cases in blacks in this outbreak parallels recent experiences in Los Angeles, Houston, and Dallas.

### INTERNATIONAL NOTES QUARANTINE MEASURES

*Changes in the "Supplement - United States Designated Yellow Fever Vaccination Centers," MMWR, Vol. 20, No. 9*

The following addition should be made in the list of United States Designated Yellow Fever Vaccination Centers:

#### NEW JERSEY

**Elizabeth** Port Medical Center  
104 North Ave. East, 07201  
201, 353-5160  
Clinic hours: Mon.-Fri., 8 a.m. - 6 p.m.  
No fee

The following changes should be made in the list of United States Designated Yellow Fever Vaccination Centers:

#### CALIFORNIA

**Loma Linda** Dept. of Preventive Medicine,  
92354  
Change to: School of Health  
Change hours to: By appointment,  
Wed., 1-2 p.m.

**San Bernardino** County Health Dept., 92401  
Change telephone number to:  
383-2016

#### COLORADO

**Colorado Springs** City-County Health Dept.  
Change Zip Code to: 80909  
Change telephone number to:  
471-7766  
Change hours to: 9 a.m.

#### MONTANA

**Missoula** City-County Health Dept., 59801  
Change telephone number to:  
728-4510

#### NEW YORK

**Ithaca** Gannett Medical Clinic, 14850  
Change telephone to: 607, 256-5758

**Jamaica** Pan American World Airways, Inc.,  
11430  
Change hours to: By appointment,  
Tues. and Thurs., 1:30 p.m.

### EPIDEMIOLOGIC NOTES AND REPORTS

#### FOLLOW-UP ON VENEZUELAN EQUINE ENCEPHALITIS - Texas

Since the epizootic of Venezuelan equine encephalitis (VEE) began in Texas (MMWR, Vol. 20, No. 31), a total of

**Table 2**  
**Equine Viral Isolates by Virulence and Equine Vaccination History**  
**Texas - August 1970**

	Vaccinated	Unvaccinated	Vaccination History Unknown	Total
Virulent	11	14	8	33
Nonvirulent	11	0	0	11
Test results* not yet available	17	6	13	36
Total	39	20	21	80

\*Guinea pig or weanling mice inoculation test.

80 equine viral isolates have been reported from Texas (Table 2) (Figure 2). There have been 63 laboratory confirmed human cases of VEE reported from the following counties: Cameron and Hidalgo (57), Kleberg (2), Nueces (2), San Patricio (1), and Aransas (1).

(Reported by M.S. Dickerson, M.D., Chief, Communicable Diseases Services, J.E. Peavy, M.D., Commissioner, Texas State Department of Health; Edward J. Wilson, D.V.M., Coordinator of Regional VEE Eradication Program, U.S. Department of Agriculture; the Laboratory Division, and the Epidemiology Program, CDC.)

#### Editorial Note

The trend of fewer reports of confirmed equine and human cases noted in last week's report is continuing.

(Continued on page 290)

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

AUGUST 14, 1971 AND AUGUST 15, 1970 (32nd WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPH- THERIA	ENCEPHALITIS		HEPATITIS				MALARIA	
				Primary including unsp. cases	Post In- fectious	Serum	Infectious				
	1971	1971	1971	1971	1970	1971	1971	1971	1970	1971	Cum. 1971
UNITED STATES.....	218	2	2	35	40	8	140	1,073	1,018	45	2,031
NEW ENGLAND.....	5	-	-	-	-	-	8	61	107	3	58
Maine.f.....	-	-	-	-	-	-	-	10	16	-	3
New Hampshire.....	-	-	-	-	-	-	-	1	4	-	1
Vermont.....	-	-	-	-	-	-	-	7	9	-	1
Massachusetts.....	-	-	-	-	-	-	1	23	49	2	39
Rhode Island.....	5	-	-	-	-	-	3	12	16	-	6
Connecticut.....	-	-	-	-	-	-	4	8	13	1	8
MIDDLE ATLANTIC.....	76	-	-	2	2	3	58	198	237	4	202
New York City.....	-	-	-	-	-	-	19	50	92	1	22
New York, Up-State*..	53	-	-	1	-	1	3	48	23	1	55
New Jersey.*.....	20	-	-	1	-	-	29	69	85	2	81
Pennsylvania.....	3	-	-	-	2	2	7	31	37	-	44
EAST NORTH CENTRAL.....	17	-	-	13	14	-	19	161	132	2	135
Ohio.....	8	-	-	5	8	-	2	14	36	-	17
Indiana.....	-	-	-	4	1	-	1	17	10	-	11
Illinois.....	1	-	-	2	3	-	8	34	35	1	40
Michigan.....	8	-	-	2	2	-	8	91	46	1	42
Wisconsin.....	-	-	-	-	-	-	-	5	5	-	25
WEST NORTH CENTRAL.....	4	-	-	-	1	1	1	44	25	6	194
Minnesota.....	4	-	-	-	-	1	-	2	6	-	22
Iowa.....	-	-	-	-	1	-	-	6	4	1	24
Missouri.....	-	-	-	-	-	-	-	12	8	-	24
North Dakota.....	-	-	-	-	-	-	-	3	-	1	2
South Dakota.....	-	-	-	-	-	-	-	2	-	1	1
Nebraska.....	-	-	-	-	-	-	-	-	1	-	12
Kansas.....	-	-	-	-	-	-	1	19	6	3	109
SOUTH ATLANTIC.....	59	1	-	9	15	-	16	150	116	10	325
Delaware.....	1	-	-	-	-	-	-	-	7	-	1
Maryland.....	2	1	-	-	-	-	2	18	16	-	46
Dist. of Columbia....	-	-	-	1	1	-	-	1	1	-	4
Virginia.....	7	-	-	2	-	-	4	20	6	5	50
West Virginia.....	1	-	-	1	-	-	-	6	9	-	7
North Carolina.....	4	-	-	-	-	-	3	30	11	4	112
South Carolina.....	1	-	-	1	2	-	-	9	3	-	17
Georgia.....	-	-	-	-	-	-	-	17	12	-	57
Florida.....	43	-	-	4	12	-	7	49	51	1	31
EAST SOUTH CENTRAL.....	10	-	-	3	1	1	-	49	49	1	125
Kentucky.....	-	-	-	-	-	-	-	14	11	-	100
Tennessee.....	9	-	-	2	1	1	-	28	17	-	-
Alabama.....	1	-	-	1	-	-	-	5	12	1	19
Mississippi.....	-	-	-	-	-	-	-	2	9	-	6
WEST SOUTH CENTRAL.....	26	1	2	2	1	-	9	133	60	11	445
Arkansas.....	9	-	-	-	-	-	-	14	5	-	17
Louisiana.....	8	-	-	1	-	-	2	8	14	-	35
Oklahoma.*.....	-	-	-	1	1	-	-	26	5	-	64
Texas.....	9	1	2	-	-	-	7	85	36	11	329
MOUNTAIN.....	-	-	-	2	-	1	8	78	59	2	105
Montana.....	-	-	-	-	-	1	-	5	6	-	1
Idaho.....	-	-	-	1	-	-	3	8	2	-	4
Wyoming.....	-	-	-	-	-	-	-	-	1	-	1
Colorado.....	-	-	-	-	-	-	3	23	27	2	79
New Mexico.....	-	-	-	1	-	-	-	7	6	-	7
Arizona.....	-	-	-	-	-	-	1	22	10	-	8
Utah.....	-	-	-	-	-	-	1	13	7	-	3
Nevada.....	-	-	-	-	-	-	-	-	-	-	2
PACIFIC.....	21	-	-	4	6	2	21	199	233	6	442
Washington.....	-	-	-	-	-	-	-	15	30	-	1
Oregon.....	1	-	-	-	-	-	2	22	12	1	19
California.....	20	-	-	4	6	2	19	155	185	4	374
Alaska.....	---	---	---	---	-	---	---	---	2	---	3
Hawaii.....	-	-	-	-	-	-	-	7	4	1	45
Puerto Rico*.....	-	-	-	-	-	-	2	8	12	-	18
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-

\*Delayed reports: Hepatitis, serum: N.Y. Ups. 41 (1970)

Hepatitis, infectious: Me. 1, N.Y. Ups. 59 (1970), N.J. delete 1, Okla. delete 1, P.R. 6

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

AUGUST 14, 1971 AND AUGUST 15, 1970 (32nd WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	1971	Cumulative		1971	Cumulative		1971	Cum. 1971	Total 1971	Paralytic	
		1971	1970		1971	1970				1971	Cum. 1971
UNITED STATES.....	311	67,865	38,829	21	1,655	1,742	587	97,279	1	1	7
NEW ENGLAND.....	11	3,404	839	1	72	76	21	5,930	-	-	-
Maine.....	4	1,459	199	-	8	3	1	1,174	-	-	-
New Hampshire.....	3	200	50	-	11	8	-	647	-	-	-
Vermont.....	1	110	8	-	-	6	-	336	-	-	-
Massachusetts.....	3	249	382	-	28	33	6	1,439	-	-	-
Rhode Island.....	-	238	118	-	3	5	9	1,166	-	-	-
Connecticut.....	-	1,148	82	1	22	21	5	1,168	-	-	-
MIDDLE ATLANTIC.....	46	7,415	4,758	1	218	313	39	6,119	-	-	-
New York City.....	21	3,714	845	-	41	74	31	1,647	-	-	-
New York, Up-State...	3	634	259	-	61	61	NN	NN	-	-	-
New Jersey.....	7	1,164	1,693	-	52	123	7	1,659	-	-	-
Pennsylvania.....	15	1,903	1,961	1	64	55	1	2,813	-	-	-
EAST NORTH CENTRAL.....	81	14,996	9,639	1	186	197	204	39,640	-	-	-
Ohio.....	5	3,971	3,775	-	56	78	15	7,621	-	-	-
Indiana.....	9	2,666	265	-	14	19	11	5,059	-	-	-
Illinois.....	13	2,890	3,029	1	54	43	41	4,166	-	-	-
Michigan.....	25	2,238	1,680	-	51	48	35	9,399	-	-	-
Wisconsin.....	29	3,231	890	-	11	9	102	13,395	-	-	-
WEST NORTH CENTRAL.....	6	6,786	3,791	1	123	89	20	6,404	-	-	-
Minnesota.....	-	61	38	1	21	13	1	1,093	-	-	-
Iowa.....	1	2,237	1,097	-	9	12	3	2,902	-	-	-
Missouri.....	3	2,593	1,254	-	44	51	8	1,018	-	-	-
North Dakota.....	-	231	317	-	5	3	-	309	-	-	-
South Dakota.....	1	215	93	-	5	-	5	227	-	-	-
Nebraska.....	1	63	924	-	14	5	3	89	-	-	-
Kansas.....	-	1,386	68	-	25	5	-	766	-	-	-
SOUTH ATLANTIC.....	92	7,439	7,075	6	294	359	90	6,998	-	-	1
Delaware.....	-	36	258	-	2	3	2	163	-	-	-
Maryland.....	-	524	1,375	-	44	34	9	629	-	-	-
Dist. of Columbia....	-	15	343	1	11	3	1	88	-	-	-
Virginia.....	2	1,535	1,968	4	33	37	16	939	-	-	-
West Virginia.....	-	486	305	-	7	8	17	1,802	-	-	-
North Carolina.....	2	1,921	845	1	52	75	NN	NN	-	-	-
South Carolina.....	1	899	565	-	20	44	1	835	-	-	-
Georgia.....	74	275	14	-	23	31	-	11	-	-	1
Florida.....	13	1,748	1,402	-	102	124	44	2,531	-	-	-
EAST SOUTH CENTRAL.....	24	8,135	1,294	-	140	132	43	7,602	-	-	-
Kentucky.....	6	3,878	744	-	37	45	7	2,311	-	-	-
Tennessee.....	14	1,013	371	-	53	57	34	4,283	-	-	-
Alabama.....	4	1,833	91	-	28	21	2	876	-	-	-
Mississippi.....	-	1,411	88	-	22	9	-	132	-	-	-
WEST SOUTH CENTRAL.....	24	12,288	7,413	-	144	234	54	7,865	1	1	3
Arkansas.....	-	777	30	-	5	19	1	81	-	-	-
Louisiana.....	1	1,666	92	-	50	59	-	132	-	-	-
Oklahoma.....	1	750	442	-	7	19	1	180	-	-	-
Texas.....	22	9,095	6,849	-	82	137	52	7,472	1	1	3
MOUNTAIN.....	10	3,159	1,474	2	51	34	28	3,875	-	-	1
Montana.....	1	918	52	-	6	1	3	376	-	-	-
Idaho.....	1	271	33	-	7	5	2	119	-	-	-
Wyoming.....	1	85	11	-	2	1	-	274	-	-	-
Colorado.....	1	810	176	-	7	12	11	1,255	-	-	-
New Mexico.....	4	336	189	1	4	-	1	619	-	-	-
Arizona.....	1	403	960	-	8	13	5	1,076	-	-	-
Utah.....	1	329	32	1	14	2	6	156	-	-	-
Nevada.....	-	7	21	-	3	-	-	-	-	-	1
PACIFIC.....	17	4,243	2,546	9	427	308	88	12,846	-	-	2
Washington.....	-	981	521	-	23	42	6	5,227	-	-	1
Oregon.....	2	370	224	-	31	23	19	1,279	-	-	1
California.....	4	2,487	1,483	8	366	241	53	5,433	-	-	-
Alaska.....	---	52	136	---	-	-	---	75	---	---	-
Hawaii.....	11	353	182	1	7	2	10	832	-	-	-
Puerto Rico.....	4	442	871	-	5	4	16	911	-	-	-
Virgin Islands.....	-	15	6	-	-	1	-	41	-	-	-

\*Delayed reports: Measles: Me. 2, Mass. delete 12, Mont. 12

Mumps: Me. 6

Poliomyelitis, paralytic: Nev. 1



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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

AUGUST 14, 1971 AND AUGUST 15, 1970 (32nd WEEK) - CONTINUED

AREA	RUBELLA		TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971	1971	Cum. 1971
UNITED STATES.....	241	37,530	2	63	4	103	5	185	27	259	62	2,665
NEW ENGLAND.....	9	1,677	-	4	-	-	-	9	2	2	2	176
Maine.*.....	2	256	-	-	-	-	-	-	-	-	1	163
New Hampshire.....	-	46	-	1	-	-	-	-	-	-	-	1
Vermont.....	-	94	-	-	-	-	-	-	-	-	1	10
Massachusetts.....	3	811	-	1	-	-	-	6	-	-	-	2
Rhode Island.....	-	91	-	-	-	-	-	-	2	2	-	-
Connecticut.....	4	379	-	2	-	-	-	3	-	-	-	-
MIDDLE ATLANTIC.....	20	2,447	-	6	-	-	4	31	2	27	3	116
New York City.....	14	502	-	5	-	-	1	9	-	1	-	-
New York, Up-State..	4	393	-	1	-	-	-	12	1	15	1	104
New Jersey.....	-	571	-	-	-	-	3	5	-	6	-	-
Pennsylvania.....	2	981	-	-	-	-	-	5	1	5	2	12
EAST NORTH CENTRAL....	52	8,073	-	7	1	5	-	22	1	16	9	277
Ohio.....	4	943	-	1	-	1	-	9	1	13	6	82
Indiana.....	7	1,955	-	1	-	-	-	4	-	-	-	59
Illinois.....	16	1,240	-	3	-	1	-	6	-	3	2	53
Michigan.....	2	2,552	-	2	1	1	-	3	-	-	1	37
Wisconsin.....	23	1,383	-	-	-	2	-	-	-	-	-	46
WEST NORTH CENTRAL....	26	3,155	1	5	-	15	-	2	-	4	17	713
Minnesota.....	-	270	-	2	-	-	-	-	-	-	9	152
Iowa.....	1	661	1	1	-	-	-	-	-	-	2	161
Missouri.....	22	1,341	-	2	-	12	-	2	-	2	2	105
North Dakota.....	-	93	-	-	-	-	-	-	-	-	1	130
South Dakota.....	-	95	-	-	-	1	-	-	-	-	1	80
Nebraska.*.....	3	84	-	-	-	-	-	-	-	-	-	4
Kansas.....	-	611	-	-	-	2	-	-	-	2	2	81
SOUTH ATLANTIC.....	39	2,951	1	15	-	17	-	29	16	132	11	291
Delaware.....	-	46	-	-	-	-	-	1	-	2	-	-
Maryland.....	3	130	-	1	-	3	-	3	1	19	-	1
Dist. of Columbia...	-	7	-	-	-	-	-	1	-	-	-	-
Virginia.....	4	205	-	1	-	8	-	3	2	21	1	62
West Virginia.....	11	550	-	-	-	-	-	3	-	3	2	102
North Carolina.....	-	45	1	1	-	4	-	3	12	74	1	4
South Carolina.....	-	427	-	-	-	-	-	-	1	10	-	-
Georgia.....	-	-	-	2	-	-	-	2	-	3	6	88
Florida.....	21	1,541	-	10	-	2	-	13	-	-	1	34
EAST SOUTH CENTRAL....	25	3,161	-	8	-	10	-	23	4	37	5	250
Kentucky.....	9	1,094	-	-	-	2	-	5	1	6	1	132
Tennessee.....	13	1,797	-	5	-	5	-	14	3	26	2	78
Alabama.....	-	197	-	2	-	2	-	4	-	3	2	40
Mississippi.....	3	73	-	1	-	1	-	-	-	2	-	-
WEST SOUTH CENTRAL....	26	4,502	-	8	2	42	-	22	1	31	10	559
Arkansas.....	5	334	-	1	-	14	-	6	-	4	3	69
Louisiana.....	-	280	-	1	-	7	-	6	-	-	1	21
Oklahoma.....	-	65	-	1	1	13	-	2	1	22	1	236
Texas.....	21	3,823	-	5	1	8	-	8	-	5	5	233
MOUNTAIN.....	13	1,863	-	2	1	14	-	7	1	10	-	44
Montana.....	-	111	-	-	-	1	-	-	-	3	-	-
Idaho.....	-	39	-	1	-	1	-	-	1	3	-	-
Wyoming.....	1	859	-	-	-	-	-	-	-	-	-	8
Colorado.....	-	259	-	-	-	-	-	-	-	2	-	11
New Mexico.....	2	204	-	-	-	-	-	5	-	-	-	7
Arizona.....	10	323	-	1	-	-	-	2	-	-	-	14
Utah.....	-	54	-	-	1	12	-	-	-	1	-	3
Nevada.....	-	14	-	-	-	-	-	-	-	1	-	1
PACIFIC.....	31	9,701	-	8	-	-	1	40	-	-	5	239
Washington.....	1	1,330	-	1	-	-	-	-	-	-	-	-
Oregon.....	6	707	-	1	-	-	-	-	-	-	1	6
California.....	21	7,477	-	6	-	-	1	38	-	-	4	199
Alaska.....	---	43	---	-	---	-	---	1	---	-	---	34
Hawaii.....	3	144	-	-	-	-	-	1	-	-	-	-
Puerto Rico.....	3	62	-	5	-	-	-	2	-	-	3	50
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-	-

\*Delayed reports: Rubella: Me. 1

Rabies in animals: Nebr. 1

Week No.

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED AUGUST 14, 1971

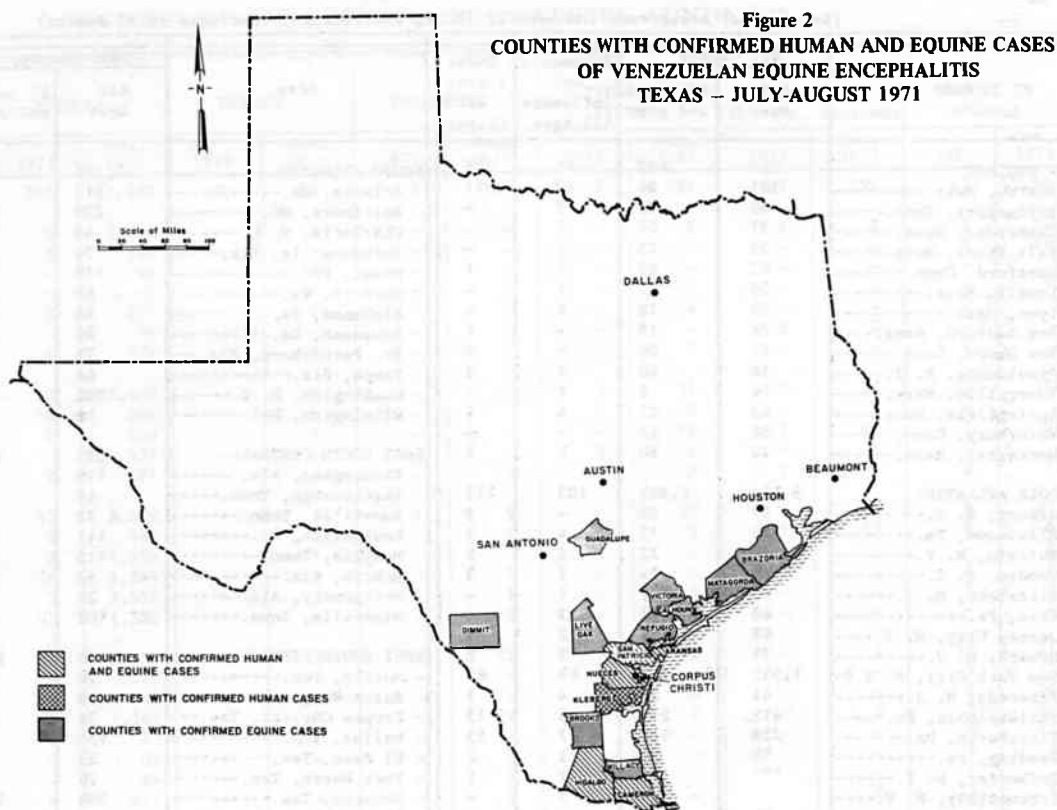
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(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	660	402	41	25	SOUTH ATLANTIC:	1,196	565	30	110
Boston, Mass.-----	191	86	10	11	Atlanta, Ga.-----	113	53	-	8
Bridgeport, Conn.-----	40	23	3	-	Baltimore, Md.-----	239	113	3	7
Cambridge, Mass.-----	31	24	7	-	Charlotte, N. C.-----	48	21	-	2
Fall River, Mass.-----	30	25	1	-	Jacksonville, Fla.-----	74	35	3	3
Hartford, Conn.-----	47	28	1	1	Miami, Fla.-----	119	65	3	10
Lowell, Mass.-----	29	21	1	-	Norfolk, Va.-----	66	29	4	16
Lynn, Mass.-----	20	18	4	-	Richmond, Va.-----	86	41	2	1
New Bedford, Mass.-----	24	18	-	1	Savannah, Ga.-----	46	21	4	-
New Haven, Conn.-----	47	26	-	4	St. Petersburg, Fla.-----	79	69	1	3
Providence, R. I.-----	58	40	7	2	Tampa, Fla.-----	66	34	5	5
Somerville, Mass.-----	14	8	1	-	Washington, D. C.-----	202	55	5	55
Springfield, Mass.-----	43	27	4	4	Wilmington, Del.-----	58	29	-	-
Waterbury, Conn.-----	34	28	-	-					
Worcester, Mass.-----	52	30	2	2	EAST SOUTH CENTRAL:	625	312	27	41
MIDDLE ATLANTIC:	3,126	1,805	103	117	Birmingham, Ala.-----	119	46	2	18
Albany, N. Y.-----	57	38	-	2	Chattanooga, Tenn.-----	49	24	2	5
Allentown, Pa.-----	26	17	4	2	Knoxville, Tenn.-----	22	15	1	-
Buffalo, N. Y.-----	129	72	2	5	Louisville, Ky.-----	141	76	10	3
Camden, N. J.-----	49	24	1	3	Memphis, Tenn.-----	115	52	5	9
Elizabeth, N. J.-----	41	27	1	-	Mobile, Ala.-----	52	30	1	1
Erie, Pa.-----	48	32	3	1	Montgomery, Ala.-----	25	16	2	1
Jersey City, N. J.-----	60	36	2	3	Nashville, Tenn.-----	102	53	4	4
Newark, N. J.-----	71	31	2	5	WEST SOUTH CENTRAL:	1,116	570	37	68
New York City, N. Y.*-----	1,532	868	49	64	Austin, Tex.-----	30	20	4	1
Paterson, N. J.-----	44	27	4	1	Baton Rouge, La.-----	59	29	2	3
Philadelphia, Pa.-----	415	241	3	13	Corpus Christi, Tex.-----	36	16	1	3
Pittsburgh, Pa.-----	228	120	7	13	Dallas, Tex.-----	154	78	1	11
Reading, Pa.-----	35	23	2	2	El Paso, Tex.-----	33	15	-	4
Rochester, N. Y.-----	122	79	7	1	Fort Worth, Tex.-----	76	42	2	5
Schenectady, N. Y.-----	22	13	3	-	Houston, Tex.-----	209	102	10	14
Scranton, Pa.-----	39	29	-	-	Little Rock, Ark.-----	36	20	-	3
Syracuse, N. Y.-----	86	54	1	1	New Orleans, La.-----	141	71	1	7
Trenton, N. J.-----	50	29	4	-	Oklahoma City, Okla.-----	92	45	1	3
Utica, N. Y.-----	28	15	5	1	San Antonio, Tex.-----	113	59	3	6
Yonkers, N. Y.-----	44	30	3	-	Shreveport, La.-----	50	28	4	1
EAST NORTH CENTRAL:	2,519	1,422	64	103	Tulsa, Okla.-----	87	45	8	7
Akron, Ohio-----	64	44	1	6	MOUNTAIN:	441	258	16	21
Canton, Ohio-----	38	27	2	4	Albuquerque, N. Mex.-----	42	26	6	1
Chicago, Ill.-----	674	375	22	31	Colorado Springs, Colo.-----	27	17	3	-
Cincinnati, Ohio-----	111	67	2	5	Denver, Colo.-----	113	66	2	5
Cleveland, Ohio-----	168	87	1	2	Ogden, Utah-----	21	10	1	3
Columbus, Ohio-----	129	72	3	4	Phoenix, Ariz.-----	107	61	1	6
Dayton, Ohio-----	95	59	2	1	Pueblo, Colo.-----	21	9	1	2
Detroit, Mich.-----	348	192	6	14	Salt Lake City, Utah-----	61	39	-	3
Evansville, Ind.-----	42	33	3	1	Tucson, Ariz.-----	49	30	2	1
Flint, Mich.-----	87	48	2	3	PACIFIC:	1,497	913	36	51
Fort Wayne, Ind.-----	41	25	3	3	Berkeley, Calif.-----	20	15	-	-
Gary, Ind.-----	43	18	4	4	Fresno, Calif.-----	45	26	1	2
Grand Rapids, Mich.-----	56	35	1	2	Glendale, Calif.-----	30	20	-	-
Indianapolis, Ind.-----	144	71	2	8	Honolulu, Hawaii-----	58	18	2	3
Madison, Wis.-----	41	17	3	1	Long Beach, Calif.-----	108	70	6	3
Milwaukee, Wis.-----	138	73	4	4	Los Angeles, Calif.-----	387	228	13	12
Peoria, Ill.-----	38	22	-	3	Oakland, Calif.-----	70	40	-	3
Rockford, Ill.-----	34	14	-	2	Pasadena, Calif.-----	48	41	-	-
South Bend, Ind.-----	27	18	-	1	Portland, Oreg.-----	132	75	1	10
Toledo, Ohio-----	122	77	3	4	Sacramento, Calif.-----	51	27	4	2
Youngstown, Ohio-----	79	48	-	-	San Diego, Calif.-----	101	60	-	4
WEST NORTH CENTRAL:	851	508	20	40	San Francisco, Calif.-----	172	113	3	5
Des Moines, Iowa-----	50	25	-	4	San Jose, Calif.-----	40	24	1	2
Duluth, Minn.-----	42	28	-	1	Seattle, Wash.-----	133	81	2	2
Kansas City, Kans.-----	34	16	3	4	Spokane, Wash.-----	63	46	2	1
Kansas City, Mo.-----	147	101	-	1	Tacoma, Wash.-----	39	29	1	2
Lincoln, Nebr.-----	35	24	4	1					
Minneapolis, Minn.-----	102	58	4	4	Total	12,031	6,755	374	576
Omaha, Nebr.-----	79	51	-	5	Expected Number	12,211	6,902	387	529
St. Louis, Mo.-----	221	121	1	16	Cumulative Total (includes reported corrections for previous weeks)	415,622	239,136	15,731	18,622
St. Paul, Minn.-----	84	51	4	1					
Wichita, Kans.-----	57	33	4	3					
Las Vegas, Nev.*-----	23	9	-	2					

\*Mortality data are being collected from Las Vegas, Nev., for possible inclusion in this table, however, for statistical reasons, these data will be listed only and not included in the total, expected number, or cumulative total, until 5 years of data are collected.

## FOLLOW-UP ON VENEZUELAN EQUINE ENCEPHALITIS - (Continued from page 285)



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The data in this report are provisional, based on weekly telegraphs to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the succeeding Friday.

In addition to the established procedures for reporting morbidity and mortality, the editor welcomes accounts of interesting outbreaks or case investigations of current interest to health officials.

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